## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	136	"5386373"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 12:29
S2	156	("3859541"   "3871338"   "3875907"   "3903853"   "3916848"   "3919983"   "3962866"   "4007589"   "4077207"   "4161883"   "4167161"   "4171690"   "4315243"   "4403473"   "4528918"   "4825353"   "5003950"   "5025499"   "5077970"   "5088314"   "5093792"   "5113483"   "5119287"   "5119468"   "5150682"   "5177464"   "5213080"   "5220905"   "5222471"   "5228335"   "5231939"   "5271674").PN. OR ("5386373").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:35
S3	55077	gas near turbine	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:38
S4	171931	(rotary or rotation) near1 speed	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:41
S5	2981	S3 and S4	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:41
S6	1649	temperature with discharge with turbine	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:42
S7	81	S5 and S6	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:42
S8	177558	temperature with (environment or surrounding)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:42

S9	6	S7 and S8	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:42
S10	389571	emission	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:43
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:43
S12	23	"5970426"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:55
S13	24	"5367470"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:57
S14	1300033	temperatures	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:02
S15	22812	S4 and S14	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:02
S16	1018	S5 and S14	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:02
S17	411687	(environment or surrounding or ambient) near3 temperature	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:02
S18	346	S5 and S17	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:03
S19	30951	temperature with turbine	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:03
S20	221	S18 and S19	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:04
S21	948060	(virtual adj sensor) or model or predictive	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:05
S22	33	S20 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:05
S23	401006	emission or pollutant	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:05
S24	12	S22 and S23	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:05
S25	2	S1 and S2 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 13:36

S26	90	("4161883"	US-PGPUB;	OR	OFF	2010/01/13
		"4584654"   "4858147"	. 2		***************************************	13:37
		"4884217"				
		"4907167"   "4910691"				
		"4920499"				
		187				
		"4922412"   "4928484"				
		"4965742"				
		"4972363"   "4979126"				
		"5006992"				
		"5023045"   "5025499"				
		"5038269"				
		"5058043"   "5088314"				
		"5113483"				
		"5119287"   "5119468"				
		"5121467"				
		"5142612"   "5150682"				
		"5167009"				
		"5175678"   "5197114"				
		"5212765"				
		"5222403"   "5231939"				
		"5251285"				
		"5280756"   "5282261"				
		"5311421"				
		"5353207"   "5353267"				
		"5386373"				
		"5408586"   "5477444"				
		"5479573"				
		"5539638"   "5539639"				
		"5548528"				
		"5559690"   "5570282"				
		"5613041 <sup>"</sup>				
		"5625750"   "5640493"				
		"5682317"				
		"5703777"   "5704111"				
		"5729661"				
		"5734796"   "5768475"				
		"5781432"				
		"5818953"   "5819006"				
		"5825646"			***************************************	
		"5826249"   "5842189"			-	
		"5848402"				
		"5859773"   "5933345"				
		"5950182"				
		"5970426"   "6002839"				
		"6047221"				
		"6134537"   "6144952"				
		"6169980"				
		"6212509"   "6216048"			-	
		"6243696"				
		"6278899"   "6314414"				
		"6363289"				
					***************************************	
		"6381504"   "6591254" "6600463"				
		"6690462"				
		"6694796"   "6732055"				
		"6757619"				
		"6810358"   "6882929"				

		"6912889"   "6954701"   "6975975"   "6983640"   "7068817"   "7233910").PN. OR ("7421348").URPN.				
S27	3	S3 and S26	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:38
S28	0	"2002005581"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:39
S29	1	"20020065581"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:40
S30	15	("3775592"   "4628462"   "5063506"   "5548528"   "5712985"   "5797129"   "5826040"   "5826238"   "5831876"   "5845258"   "5890133"   "6230480"   "6244857"   "6522994").PN. OR ("6975975").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:45
S31	3	S3 and S30	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:45
S32	1	"20020103547"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:12
S33	479285	(gas adj turbine) or (combustion)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:17
S34	480881	emission\$1 or (stack adj gas\$2) or pollutant \$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:17
S35	80421	S33 and S34	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:18
S36	54609	(gas adj turbine)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:18
S37	8709	S34 and S36	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:18
S38	24851	(speed near3 shaft) and temperature	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:19
S39	350	S37 and S38	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:19
S40	53088	(stack adj gas\$2) or pollutant\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:20
S41	2967	S36 and S40	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:21
S42	121	S38 and S41	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:21

S43	1498	(speed near3 shaft) and (discharge with temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:24
S44	37	S36 and S40 and S43	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:24
S45	211009	compressor	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:34
S46	22	S44 and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:35
S47	48272	humidity with (environment or ambient or surroundings)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:35
S48	50536	humidity with (environment or ambient or surrounding)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:36
S49	5	S46 and S48	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:36
S50	17852	(molecular adj weight) with gas	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:36
S51	0	S49 and S50	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:36
S52	9278	fuel near3 mass	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:37
S53	2	S49 and S52	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:37
S54	101624	combustion near3 air	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:37
S55	2	S53 and S54	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:37
S56	55	(molecular adj weight) with (combustion near gas)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:40
S57	9	S3 and S56	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 14:41
S58	29974	S3 and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:17
S59	29769	S36 and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:18
S60	72228	temperature with discharge	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:18
S62	249	S59 and S50	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:19
S63	87676	pressure with compressor	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:19
S64	175	S62 and S63	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:19

S65	25	S40 and S64	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:20
S66	79415	combustion near2 air	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:28
S67	2967	S36 and S40	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:30
S68	4	(compressibility with gas) and (gas adj turbine) and ((stack adj gas) or (pollutant \$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:32
S69	309	(molecular adj weight) and (gas adj turbine) and ((stack adj gas) or (pollutant\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:39
S71	10	(humidity with (ambient or environment or surrounding)) and (molecular adj weight) and (gas adj turbine) and ((stack adj gas) or (pollutant\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:42
S72	142	(mass near fuel) and (gas adj turbine) and ((stack adj gas) or (pollutant\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:53
S73	6	predictive adj emission adj monitor\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:47
S74	61	("3859541"   "3871338"   "3875907"   "3903853"   "3916848"   "3919983"   "3962866"   "4007589"   "4077207"   "4161883"   "4167161"   "4171690"   "4315243"   "4403473"   "4528918"   "4825353"   "5003950"   "5025499"   "5077970"   "5088314"   "5093792"   "5113483"   "5117464"   "5119287"   "5119468"   "5175678"   "5213080"   "5220905"   "5222471"   "5228335"   "5231939"   "52710009"   "5271674"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13

	and the second s	"5353207"   "5386373"   "5479573"   "5539638"   "5548528"   "5559690"   "5613041").PN. OR ("5970426").URPN.				
S75	10	("5206818"   "5548528"   "5703299"   "5970426"   "6212937"   "6345234"   "6435019").PN. OR ("6757619").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:56
S76	16	("4526028"   "4561288"   "4607963"   "4786472"   "5206818"   "5415025"   "5479359"   "5526280"   "5970781"   "6095682").PN. OR ("6212937").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:58

## 1/15/2010 4:37:58 PM

C:\ Documents and Settings\ hpark1\ My Documents\ EAST\ Workspaces\ Amended Searches\ 10-540374-amended.wsp